

Automated System Hardening Solution

Summary

The Automated System Hardening Solution reduces the manual effort of Golden Image Hardening by using automated solutions to meet industry standards like CIS, NIST and Azure Baseline Security. The solution is available in several regions and can be tailored to specific regional needs.

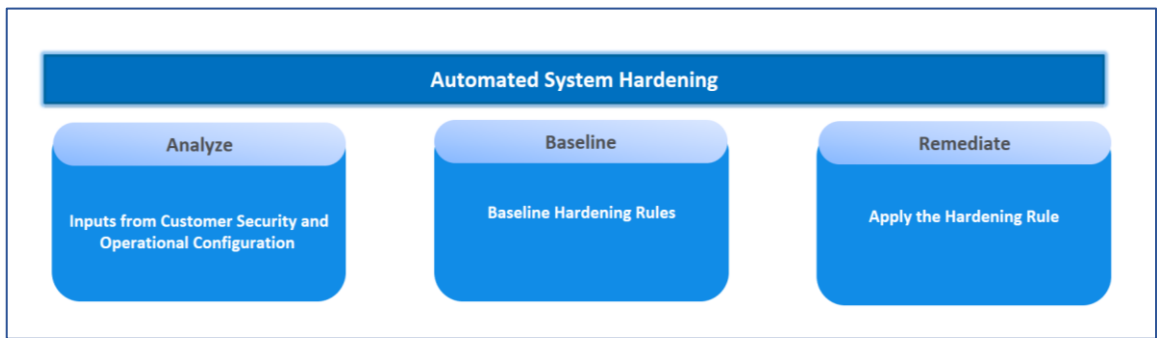
This solution is mainly aimed at Healthcare, BFSI, Telecom, Insurance and Retail clients.

Offer Description

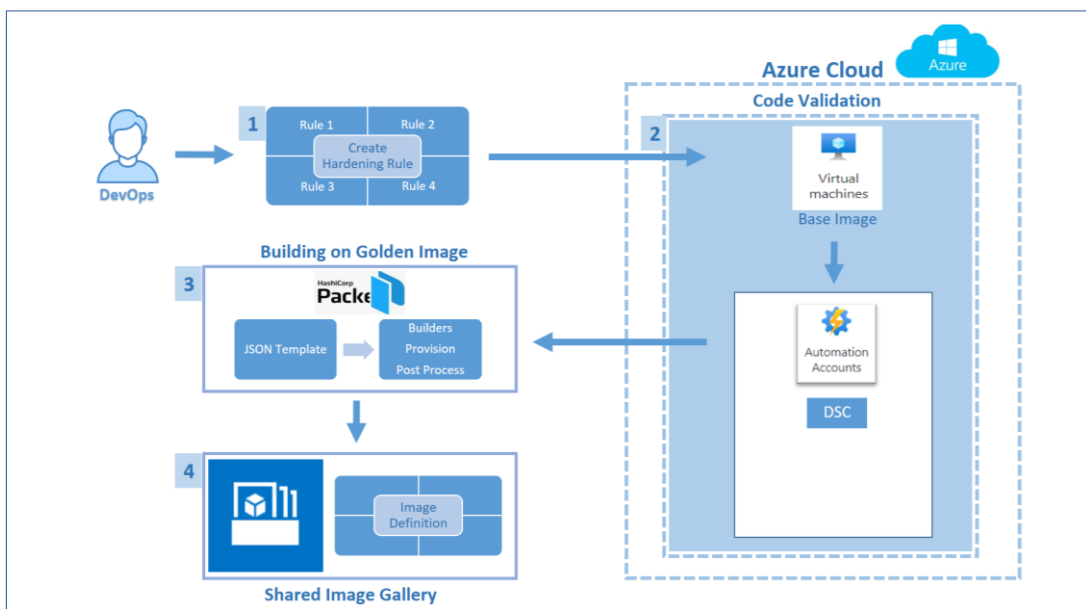
Customization and enforcement of security policies, to meet the various best practices and security standards of the Organization, are difficult by manual hardening, as the manual process is subject to human errors. Manual hardening processes can affect OS or application functionality and require huge testing effort, and time consuming.

To implement the layered security capabilities and practices in the cloud architecture, one of the best practice is to continuously assess the golden Images for security vulnerabilities and to eliminate the configuration drift.

The *Automated System Hardening Solution* will help in keeping Images updated as soon as new vulnerabilities are discovered. The number of days to implement this solution is estimated as one week.



Automated System Hardening Solution Architecture



Solution Components:

- Windows PowerShell DSC to automate Hardening Rules
- HashiCorp Packer to build Golden Images
- Packer templates (JSON) and custom scripts to meet various requirements and incorporate customizations i.e., DSC, IaC (Infrastructure as Code), and Pre-baked Images
- Availability of shared gallery images in multiple subscriptions and tenants

Why Mindtree:

- 50+ Mindtree minds trained on Cyber Security
- Azure Certified Architects
- End-to-end services including Consulting, Design, Development, and Production Support

Key Benefits achieved:

- Automated hardening engines to meet Industry and Business demands.
- Golden Image platform to facilitate and streamline End-to-End Automation.
- Provides the right visualization of the hardening process using Microsoft Azure Platform.
- Customized secure baseline and customized configurations at the OS level.
- Safeguarding from vulnerabilities and eliminating the configuration drift.
- Operational Cost Optimization.
- Attack surface reduction.
- Continuous compliance and enforcement of security policies in real time.
- Reduces aggregated risk.